

Method and System for Executing SIMD Instructions Using Graphics Technology

Abstract

5 A method and system are provided for executing SIMD instructions using
graphics technology. A SIMD instruction is received and interpreted. The
specific data needed for the SIMD instruction is identified. Texel addresses
10 where the specific data are stored are recalled and frame buffer pixels to be used
to support the SIMD instruction are selected. In an alternative embodiment, these
texel addresses are stored in frame buffer pixel channels such that the pixel
containing a particular address will be the pixel to hold the data stored at that
address for the SIMD operation.

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